ABSTRACT OF THE DISCLOSURE

An image processing apparatus, method and computer readable recording medium provided with a primary memory device and a secondary memory device both having image data memorized therein, in which said image data are input to said primary memory device, and including an external input data amount acquisition device acquiring the amount of said image data input to said primary memory device; an internal output data amount acquisition device acquiring the amount of said image data output from said primary memory device and input to said secondary memory device; a first difference data amount calculation device subtracting the amount of the data acquired by said internal output data amount acquisition device from the amount of the data acquired by said external input data amount acquisition device, and calculating first difference data amount by the subtraction; a memory access control device practicing the inputting and outputting of said image data with time sharing in said primary memory device, comparing said first difference data amount with a first value and a second value larger than said first value, stopping the processing of outputting said image data from said primary memory device to said secondary memory device when said first difference data amount reaches the value equal to or smaller than said first value, and starting again the processing of outputting said image data from said primary memory device to said secondary memory device when said first difference data amount reaches the value equal to or larger than said second value; and an error signal outputting device comparing said first difference data amount with a third value larger than said second value and a fourth value smaller than said first value, and outputting an error signal when said first difference data amount reaches the value equal to or larger than said third value or when said first difference data amount reaches the value equal to or smaller than said fourth value.